

## Input Data Anggota

unit Unit1;

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls,  
Forms,  
Dialogs, DB, ADODB, Grids, DBGrids, StdCtrls, Mask, DBCtrls, ComCtrls,  
XPMan;

type

```
TForm1 = class(TForm)
  ADOTable1: TADOTable;
  DataSource1: TDataSource;
  DBGrid1: TDBGrid;
  ADOConnection1: TADOConnection;
  ADOTable1No_Anggota: TWideStringField;
  ADOTable1Nama: TWideStringField;
  ADOTable1Tanggal_Lahir: TDateTimeField;
  ADOTable1Jenis_Kelamin: TWideStringField;
  ADOTable1Agama: TWideStringField;
  ADOTable1Prodi: TWideStringField;
  ADOTable1Jenjang: TWideStringField;
  ADOTable1Tahun_Masuk: TWideStringField;
  Label1: TLabel;
  DBEdit1: TDBEdit;
  Label2: TLabel;
  DBEdit2: TDBEdit;
  Label3: TLabel;
  DBEdit3: TDBEdit;
  Label4: TLabel;
  Label5: TLabel;
  Label6: TLabel;
  Label7: TLabel;
  Label8: TLabel;
  DBEdit8: TDBEdit;
```

```

GroupBox1: TGroupBox;
Button1: TButton;
Button2: TButton;
Button3: TButton;
Button4: TButton;
Button5: TButton;
Button6: TButton;
GroupBox2: TGroupBox;
Edit1: TEdit;
Button7: TButton;
DBComboBox1: TDBComboBox;
DBComboBox2: TDBComboBox;
DBComboBox3: TDBComboBox;
DBComboBox4: TDBComboBox;
DateTimePicker1: TDateTimePicker;
XPManifest1: TXPManifest;
procedure FormActivate(Sender: TObject);
procedure Button1Click(Sender: TObject);
//procedure DBEdit1KeyPress(Sender: TObject; var Key: Char);
procedure Button4Click(Sender: TObject);
procedure Button3Click(Sender: TObject);
procedure Button6Click(Sender: TObject);
procedure Button2Click(Sender: TObject);
procedure Button5Click(Sender: TObject);
procedure Button7Click(Sender: TObject);
procedure DateTimePicker1Change(Sender: TObject);
procedure DBEdit1KeyPress(Sender: TObject; var Key: Char);
procedure DBEdit2KeyPress(Sender: TObject; var Key: Char);
procedure DateTimePicker1KeyPress(Sender: TObject; var Key:
Char);
procedure DBComboBox1KeyPress(Sender: TObject; var Key: Char);
procedure DBComboBox2KeyPress(Sender: TObject; var Key: Char);
procedure DBComboBox3KeyPress(Sender: TObject; var Key: Char);
procedure DBComboBox4KeyPress(Sender: TObject; var Key: Char);
procedure DBEdit8KeyPress(Sender: TObject; var Key: Char);
{ Private declarations }
public
procedure kosong;

```

```
procedure mati;  
procedure hidup;  
  { Public declarations }  
end;
```

var

```
Form1: TForm1;
```

implementation

```
{ $R *.dfm }
```

```
procedure TForm1.mati;  
begin  
  DBEdit1.Enabled:=false;  
  DBEdit2.Enabled:=false;  
  DBEdit3.Enabled:=false;  
  DateTimePicker1.Enabled:=false;  
  DBComboBox1.Enabled:=false;  
  DBComboBox2.Enabled:=false;  
  DBComboBox3.Enabled:=false;  
  DBComboBox4.Enabled:=false;  
  DBEdit8.Enabled:=false;  
end;
```

```
procedure TForm1.hidup;  
begin  
  DBEdit1.Enabled:=true;  
  DBEdit2.Enabled:=true;  
  DBEdit3.Enabled:=true;  
  DateTimePicker1.Enabled:=true;  
  DBComboBox1.Enabled:=true;  
  DBComboBox2.Enabled:=true;  
  DBComboBox3.Enabled:=true;  
  DBComboBox4.Enabled:=true;  
  DBEdit8.Enabled:=true;  
end;
```

```
procedure TForm1.kosong;
```

```
begin
DBEdit1.Text:="";
DBEdit2.Text:="";
DBEdit3.Text:="";
DBEdit8.Text:='0';
end;
```

```
procedure TForm1.FormActivate(Sender: TObject);
begin
ADOTable1.Close;
ADOTable1.Open;
edit1.SetFocus;
mati;
Button4.Enabled:=false;
Button3.Enabled:=false;
end;
```

```
procedure TForm1.Button1Click(Sender: TObject);
begin
hidup;
Button4.Enabled:=true;
Button3.Enabled:=true;
Button1.Enabled:=false;
Button5.Enabled:=false;
Button6.Enabled:=false;
ADOTable1.Append;
DBEdit1.SetFocus;
kosong;
end;
```

```
{procedure TForm1.DBEdit1KeyPress(Sender: TObject; var Key: Char);
begin
if key=#13 then
begin
if adotable1.Locate('No_Anggota',DBEdit1.Text,[])=true then
showmessage ('No Anggota Yang Anda Inputkan Sudah Ada !!!');
DBedit1.Text:="";
DBEdit1.SetFocus;
```

```
hidup;  
end;  
end;}
```

```
procedure TForm1.Button4Click(Sender: TObject);  
begin  
Adotable1.Post;  
mati;  
Button1.Enabled:=true;  
Button2.Enabled:=true;  
Button5.Enabled:=true;  
Button3.Enabled:=false;  
Button4.Enabled:=false;  
Button6.Enabled:=true;  
end;
```

```
procedure TForm1.Button3Click(Sender: TObject);  
begin  
kosong;  
Adotable1.Cancel;  
mati;  
Button1.Enabled:=true;  
Button2.Enabled:=true;  
Button5.Enabled:=true;  
Button3.Enabled:=false;  
Button4.Enabled:=false;  
Button6.Enabled:=true;  
end;
```

```
procedure TForm1.Button6Click(Sender: TObject);  
begin  
close;  
end;
```

```
procedure TForm1.Button2Click(Sender: TObject);  
begin  
adotable1.Edit;  
hidup;
```

```
Button1.Enabled:=false;  
Button2.Enabled:=false;  
Button5.Enabled:=false;  
Button3.Enabled:=true;  
Button4.Enabled:=true;  
Button6.Enabled:=false;  
end;
```

```
procedure TForm1.Button5Click(Sender: TObject);  
var hapus:string;  
begin  
hapus:='Data Anggota Tersebut Mau Dihapus ?';  
if (application.MessageBox(Pchar(hapus),'Peringatan',MB_YESNO or  
MB_ICONQUESTION)=IDYES) then adotable1.Delete;  
end;
```

```
procedure TForm1.Button7Click(Sender: TObject);  
begin  
if not adotable1.Locate('No_Anggota',Edit1.Text,[])=true then  
  ShowMessage ('Data Yang Anda Cari Tidak Ditemukan');  
  Edit1.Text:="";  
end;
```

```
procedure TForm1.DateTimePicker1Change(Sender: TObject);  
begin  
ADOTable1['Tanggal_Lahir']:=datetimepicker1.Date;  
end;
```

```
procedure TForm1.DBEdit1KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
  DBEdit2.SetFocus;  
end;
```

```
procedure TForm1.DBEdit2KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
  DateTimePicker1.SetFocus;
```

```
end;
```

```
procedure TForm1.DateTimePicker1KeyPress(Sender: TObject; var Key:  
Char);  
begin  
if key=#13 then  
DBComboBox1.SetFocus;  
end;
```

```
procedure TForm1.DBComboBox1KeyPress(Sender: TObject; var Key:  
Char);  
begin  
if key=#13 then  
DBComboBox2.SetFocus;  
end;
```

```
procedure TForm1.DBComboBox2KeyPress(Sender: TObject; var Key:  
Char);  
begin  
if key=#13 then  
DBComboBox3.SetFocus;  
end;
```

```
procedure TForm1.DBComboBox3KeyPress(Sender: TObject; var Key:  
Char);  
begin  
if key=#13 then  
DBComboBox4.SetFocus;  
end;
```

```
procedure TForm1.DBComboBox4KeyPress(Sender: TObject; var Key:  
Char);  
begin  
if key=#13 then  
DBEdit8.SetFocus;  
end;
```

```
procedure TForm1.DBEdit8KeyPress(Sender: TObject; var Key: Char);
```

```
begin
if key=#13 then
Button4.Click;
end;

end.
```

Input Data Buku

```
unit Unit2;
```

```
interface
```

```
uses
```

```
Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls,
Forms,
Dialogs, DB, ADODB, Grids, DBGrids, StdCtrls, Mask, DBCtrls, XPMAn;
```

```
type
```

```
TForm2 = class(TForm)
DBGrid1: TDBGrid;
ADOConnection1: TADOConnection;
ADOTable1: TADOTable;
DataSource1: TDataSource;
ADOTable1Kode_Buku: TWideStringField;
ADOTable1Judul: TWideStringField;
ADOTable1Kelompok: TWideStringField;
ADOTable1Jumlah: TIntegerField;
ADOTable1Penerbit: TWideStringField;
ADOTable1Pengarang: TWideStringField;
ADOTable1Tahun_Terbit: TWideStringField;
Label1: TLabel;
DBEdit1: TDBEdit;
Label2: TLabel;
DBEdit2: TDBEdit;
Label3: TLabel;
DBEdit3: TDBEdit;
Label4: TLabel;
```



```
DBEdit4: TDBEdit;
Label5: TLabel;
DBEdit5: TDBEdit;
Label6: TLabel;
DBEdit6: TDBEdit;
Label7: TLabel;
DBEdit7: TDBEdit;
GroupBox1: TGroupBox;
Button1: TButton;
Button2: TButton;
Button3: TButton;
Button4: TButton;
Button5: TButton;
Button6: TButton;
GroupBox2: TGroupBox;
Edit1: TEdit;
Button7: TButton;
XPManifest1: TXPManifest;
procedure FormActivate(Sender: TObject);
procedure Button1Click(Sender: TObject);
procedure Button4Click(Sender: TObject);
procedure Button2Click(Sender: TObject);
procedure Button3Click(Sender: TObject);
procedure Button5Click(Sender: TObject);
procedure Button6Click(Sender: TObject);
procedure Button7Click(Sender: TObject);
procedure DBEdit1KeyPress(Sender: TObject; var Key: Char);
procedure DBEdit2KeyPress(Sender: TObject; var Key: Char);
procedure DBEdit3KeyPress(Sender: TObject; var Key: Char);
procedure DBEdit4KeyPress(Sender: TObject; var Key: Char);
procedure DBEdit5KeyPress(Sender: TObject; var Key: Char);
procedure DBEdit6KeyPress(Sender: TObject; var Key: Char);
procedure DBEdit7KeyPress(Sender: TObject; var Key: Char);
private
  procedure kosong;
  procedure mati;
  procedure hidup;
  { Private declarations }
```

```
public
  { Public declarations }
end;
```

```
var
  Form2: TForm2;
```

```
implementation
```

```
{ $R *.dfm }
```

```
procedure TForm2.mati;
begin
  DBEdit1.Enabled:=false;
  DBEdit2.Enabled:=false;
  DBEdit3.Enabled:=false;
  DBEdit4.Enabled:=false;
  DBEdit5.Enabled:=false;
  DBEdit6.Enabled:=false;
  DBEdit7.Enabled:=false;
end;
```

```
procedure TForm2.hidup;
begin
  DBEdit1.Enabled:=true;
  DBEdit2.Enabled:=true;
  DBEdit3.Enabled:=true;
  DBEdit4.Enabled:=true;
  DBEdit5.Enabled:=true;
  DBEdit6.Enabled:=true;
  DBEdit7.Enabled:=true;
end;
```

```
procedure TForm2.kosong;
begin
  DBEdit1.Text:="";
  DBEdit2.Text:="";
  DBEdit3.Text:="";
  DBEdit4.Text:='0';
```

```
DBEdit5.Text:="";  
DBEdit6.Text:="";  
DBEdit7.Text:='0';  
end;
```

```
procedure TForm2.FormActivate(Sender: TObject);  
begin  
ADOTable1.Close;  
ADOTable1.Open;  
edit1.SetFocus;  
mati;  
Button4.Enabled:=false;  
Button3.Enabled:=false;  
end;
```

```
procedure TForm2.Button1Click(Sender: TObject);  
begin  
hidup;  
Button4.Enabled:=true;  
Button3.Enabled:=true;  
Button1.Enabled:=false;  
Button5.Enabled:=false;  
Button6.Enabled:=false;  
ADOTable1.Append;  
DBEdit1.SetFocus;  
kosong;  
end;
```

```
procedure TForm2.Button4Click(Sender: TObject);  
begin  
Adotable1.Post;  
mati;  
Button1.Enabled:=true;  
Button2.Enabled:=true;  
Button5.Enabled:=true;  
Button3.Enabled:=false;  
Button4.Enabled:=false;
```

```
Button6.Enabled:=true;  
end;
```

```
procedure TForm2.Button2Click(Sender: TObject);  
begin  
adotable1.Edit;  
hidup;  
Button1.Enabled:=false;  
Button2.Enabled:=false;  
Button5.Enabled:=false;  
Button3.Enabled:=true;  
Button4.Enabled:=true;  
Button6.Enabled:=false;  
end;
```

```
procedure TForm2.Button3Click(Sender: TObject);  
begin  
kosong;  
Adotable1.Cancel;  
mati;  
Button1.Enabled:=true;  
Button2.Enabled:=true;  
Button5.Enabled:=true;  
Button3.Enabled:=false;  
Button4.Enabled:=false;  
Button6.Enabled:=true;  
end;
```

```
procedure TForm2.Button5Click(Sender: TObject);  
var hapus:string;  
begin  
hapus:='Benar Nich Data Buku Tersebut Mau Dihapus ?';  
if (application.MessageBox(Pchar(hapus),'Peringatan',MB_YESNO or  
MB_ICONQUESTION)=IDYES) then adotable1.Delete;  
end;
```

```
procedure TForm2.Button6Click(Sender: TObject);  
begin
```

```
close;  
end;
```

```
procedure TForm2.Button7Click(Sender: TObject);  
begin  
if not adotable1.Locate('Kode_Buku',Edit1.Text,[])=true then  
  ShowMessage ('Data Yang Anda Cari Tidak Ditemukan');  
  Edit1.Text:="";  
end;
```

```
procedure TForm2.DBEdit1KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
  DBEdit2.SetFocus;  
end;
```

```
procedure TForm2.DBEdit2KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
  DBEdit3.SetFocus;  
end;
```

```
procedure TForm2.DBEdit3KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
  DBEdit4.SetFocus;  
end;
```

```
procedure TForm2.DBEdit4KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
  DBEdit5.SetFocus;  
end;
```

```
procedure TForm2.DBEdit5KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
  DBEdit6.SetFocus;
```

end;

```
procedure TForm2.DBEdit6KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
DBEdit7.SetFocus;  
end;
```

```
procedure TForm2.DBEdit7KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
Button4.Click;  
end;
```

end.

Transaksi

unit Unit3;

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls,  
Forms,  
Dialogs, Grids, DBGrids, DB, ADODB, DBCtrls, StdCtrls, Mask, ComCtrls,  
XPMan;

type

```
TForm3 = class(TForm)  
XPManifest1: TXPManifest;  
DBGrid1: TDBGrid;  
GroupBox1: TGroupBox;  
GroupBox2: TGroupBox;  
Button1: TButton;  
Button2: TButton;  
Button3: TButton;  
Button4: TButton;
```

Button5: TButton;  
Button6: TButton;  
Edit1: TEdit;  
Button7: TButton;  
ADOTable1: TADOTable;  
ADOTable2: TADOTable;  
ADOTable3: TADOTable;  
ADOConnection1: TADOConnection;  
ADOTable1No\_Transaksi: TWideStringField;  
ADOTable1No\_Anggota: TWideStringField;  
ADOTable1Kode\_Buku: TWideStringField;  
ADOTable1Tanggal\_Pinjam: TDateTimeField;  
ADOTable1Jumlah\_Pinjam: TIntegerField;  
ADOTable1Tanggal\_Harus\_Kembali: TDateTimeField;  
ADOTable1Tanggal\_Kembali: TDateTimeField;  
ADOTable1Denda: TBCDField;  
ADOTable1Judul\_Buku: TStringField;  
ADOTable1Nama\_Anggota: TStringField;  
Label1: TLabel;  
DBEdit1: TDBEdit;  
DataSource1: TDataSource;  
Label2: TLabel;  
DBEdit2: TDBEdit;  
DBLookupComboBox1: TDBLookupComboBox;  
Label3: TLabel;  
DBEdit3: TDBEdit;  
DBLookupComboBox2: TDBLookupComboBox;  
Label4: TLabel;  
Label5: TLabel;  
DBEdit5: TDBEdit;  
Label6: TLabel;  
Label7: TLabel;  
Label8: TLabel;  
DBEdit8: TDBEdit;  
DateTimePicker1: TDateTimePicker;  
DBEdit6: TDBEdit;  
DateTimePicker2: TDateTimePicker;  
ADOTable1Terlambat: TIntegerField;

```

procedure DateTimePicker1Change(Sender: TObject);
procedure FormActivate(Sender: TObject);
procedure Button1Click(Sender: TObject);
procedure Button4Click(Sender: TObject);
procedure Button3Click(Sender: TObject);
procedure Button6Click(Sender: TObject);
procedure Button2Click(Sender: TObject);
procedure Button5Click(Sender: TObject);
procedure Button7Click(Sender: TObject);
procedure DateTimePicker2Change(Sender: TObject);
procedure DBEdit1KeyPress(Sender: TObject; var Key: Char);
procedure DBEdit2KeyPress(Sender: TObject; var Key: Char);
procedure DBEdit3KeyPress(Sender: TObject; var Key: Char);
procedure DateTimePicker1KeyPress(Sender: TObject; var Key:
Char);
procedure DBEdit5KeyPress(Sender: TObject; var Key: Char);
procedure DateTimePicker2KeyPress(Sender: TObject; var Key:
Char);
private
  { Private declarations }
public
  procedure kosong;
  procedure mati;
  procedure hidup;
  { Public declarations }
end;

```

```

var
  Form3: TForm3;

```

implementation

```

{$R *.dfm}
procedure TForm3.mati;
begin
  DBEdit1.Enabled:=false;
  DBEdit2.Enabled:=false;
  DBLookupComboBox1.Enabled:=false;

```



```
DBEdit3.Enabled:=false;  
DBLookupComboBox2.Enabled:=false;  
DateTimePicker1.Enabled:=false;  
DBEdit5.Enabled:=false;  
DBEdit6.Enabled:=false;  
DateTimePicker2.Enabled:=false;  
DBEdit8.Enabled:=false;  
end;
```

```
procedure TForm3.hidup;  
begin  
DBEdit1.Enabled:=true;  
DBEdit2.Enabled:=true;  
DBLookupComboBox1.Enabled:=true;  
DBEdit3.Enabled:=true;  
DBLookupComboBox2.Enabled:=true;  
DateTimePicker1.Enabled:=true;  
DBEdit5.Enabled:=true;  
DBEdit6.Enabled:=true;  
DateTimePicker2.Enabled:=true;  
DBEdit8.Enabled:=true;  
end;
```

```
procedure TForm3.kosong;  
begin  
DBEdit1.Text:="";  
DBEdit2.Text:="";  
DBEdit3.Text:="";  
DBEdit5.Text:='0';  
DBEdit6.Text:="";  
DBEdit8.Text:='0';  
end;
```

```
procedure TForm3.Button7Click(Sender: TObject);  
begin  
if not adotable1.Locate('No_Anggota',Edit1.Text,[])=true then  
  ShowMessage ('Data Yang Anda Cari Tidak Ditemukan');  
  Edit1.Text:="";  
end;
```

end;

```
procedure TForm3.DateTimePicker1Change(Sender: TObject);  
begin  
adotable1['Tanggal_Pinjam']:=datetimepicker1.Date;  
adotable1['Tanggal_Harus_Kembali']:=adotable1['Tanggal_Pinjam']+3;
```

end;

```
procedure TForm3.FormActivate(Sender: TObject);  
begin  
ADOTable1.Close;  
ADOTable1.Open;  
ADOTable2.Close;  
ADOTable2.Open;  
ADOTable3.Close;  
ADOTable3.Open;  
Edit1.SetFocus;  
mati;  
Button4.Enabled:=false;  
Button3.Enabled:=false;  
end;
```

```
procedure TForm3.Button1Click(Sender: TObject);  
begin  
hidup;  
Button4.Enabled:=true;  
Button3.Enabled:=true;  
Button1.Enabled:=false;  
Button5.Enabled:=false;  
Button6.Enabled:=false;  
ADOTable1.Append;  
kosong;  
DBEdit1.Text:=DBEdit1.Text+inttostr(adotable1.RecordCount+1);  
DBEdit2.SetFocus;  
end;
```

```
procedure TForm3.Button4Click(Sender: TObject);
begin
Adotable1.Post;
mati;
Button1.Enabled:=true;
Button2.Enabled:=true;
Button5.Enabled:=true;
Button3.Enabled:=false;
Button4.Enabled:=false;
Button6.Enabled:=true;
end;
```

```
procedure TForm3.Button3Click(Sender: TObject);
begin
Adotable1.Cancel;
mati;
Button1.Enabled:=true;
Button2.Enabled:=true;
Button5.Enabled:=true;
Button3.Enabled:=false;
Button4.Enabled:=false;
Button6.Enabled:=true;
end;
```

```
procedure TForm3.Button6Click(Sender: TObject);
begin
adotable1.Refresh;
close;
end;
```

```
procedure TForm3.Button2Click(Sender: TObject);
begin
adotable1.Edit;
hidup;
Button1.Enabled:=false;
Button2.Enabled:=false;
Button5.Enabled:=false;
Button3.Enabled:=true;
```

```
Button4.Enabled:=true;  
Button6.Enabled:=false;  
DateTimePicker2.SetFocus;  
end;
```

```
procedure TForm3.Button5Click(Sender: TObject);  
var hapus:string;  
begin  
hapus:='Benar Nich Data Peminjaman Tersebut Mau Dihapus ?';  
if (application.MessageBox(Pchar(hapus),'Peringatan',MB_YESNO or  
MB_ICONQUESTION)=IDYES) then adotable1.Delete;  
end;
```

```
procedure TForm3.DateTimePicker2Change(Sender: TObject);  
begin  
adotable1['Tanggal_Kembali']:=datetimepicker2.Date;  
adotable1['Terlambat']:=adotable1['Tanggal_Kembali']-  
adotable1['Tanggal_Harus_Kembali'];  
if adotable1['Terlambat']>=1 then  
adotable1['Denda']:=adotable1['Terlambat']*1000;  
end;
```

```
procedure TForm3.DBEdit1KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
DBEdit2.SetFocus;  
end;
```

```
procedure TForm3.DBEdit2KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
DBEdit3.SetFocus;  
end;
```

```
procedure TForm3.DBEdit3KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
DateTimePicker1.SetFocus;
```

end;

```
procedure TForm3.DateTimePicker1KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
DBEdit5.SetFocus;  
end;
```

```
procedure TForm3.DBEdit5KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
Button4.Click;  
end;
```

```
procedure TForm3.DateTimePicker2KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
Button4.Click;  
end;
```

end.

Pencarian

unit Unit3;

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls,  
Forms,

Dialogs, Grids, DBGrids, DB, ADODB, DBCtrls, StdCtrls, Mask, ComCtrls,  
XPMan;

type

```
TForm3 = class(TForm)
  XPManifest1: TXPManifest;
  DBGrid1: TDBGrid;
  GroupBox1: TGroupBox;
  GroupBox2: TGroupBox;
  Button1: TButton;
  Button2: TButton;
  Button3: TButton;
  Button4: TButton;
  Button5: TButton;
  Button6: TButton;
  Edit1: TEdit;
  Button7: TButton;
  ADOTable1: TADOTable;
  ADOTable2: TADOTable;
  ADOTable3: TADOTable;
  ADOConnection1: TADOConnection;
  ADOTable1No_Transaksi: TWideStringField;
  ADOTable1No_Anggota: TWideStringField;
  ADOTable1Kode_Buku: TWideStringField;
  ADOTable1Tanggal_Pinjam: TDateTimeField;
  ADOTable1Jumlah_Pinjam: TIntegerField;
  ADOTable1Tanggal_Harus_Kembali: TDateTimeField;
  ADOTable1Tanggal_Kembali: TDateTimeField;
  ADOTable1Denda: TBCDField;
  ADOTable1Judul_Buku: TStringField;
  ADOTable1Nama_Anggota: TStringField;
  Label1: TLabel;
  DBEdit1: TDBEdit;
  DataSource1: TDataSource;
  Label2: TLabel;
  DBEdit2: TDBEdit;
  DBLookupComboBox1: TDBLookupComboBox;
  Label3: TLabel;
  DBEdit3: TDBEdit;
  DBLookupComboBox2: TDBLookupComboBox;
  Label4: TLabel;
```

```

Label5: TLabel;
DBEdit5: TDBEdit;
Label6: TLabel;
Label7: TLabel;
Label8: TLabel;
DBEdit8: TDBEdit;
DateTimePicker1: TDateTimePicker;
DBEdit6: TDBEdit;
DateTimePicker2: TDateTimePicker;
ADOTable1Terlambat: TIntegerField;
procedure DateTimePicker1Change(Sender: TObject);
procedure FormActivate(Sender: TObject);
procedure Button1Click(Sender: TObject);
procedure Button4Click(Sender: TObject);
procedure Button3Click(Sender: TObject);
procedure Button6Click(Sender: TObject);
procedure Button2Click(Sender: TObject);
procedure Button5Click(Sender: TObject);
procedure Button7Click(Sender: TObject);
procedure DateTimePicker2Change(Sender: TObject);
procedure DBEdit1KeyPress(Sender: TObject; var Key: Char);
procedure DBEdit2KeyPress(Sender: TObject; var Key: Char);
procedure DBEdit3KeyPress(Sender: TObject; var Key: Char);
procedure DateTimePicker1KeyPress(Sender: TObject; var Key:
Char);
procedure DBEdit5KeyPress(Sender: TObject; var Key: Char);
procedure DateTimePicker2KeyPress(Sender: TObject; var Key:
Char);
private
{ Private declarations }
public
procedure kosong;
procedure mati;
procedure hidup;
{ Public declarations }
end;

var

```

Form3: TForm3;

implementation

{\$R \*.dfm}

```
procedure TForm3.mati;  
begin  
  DBEdit1.Enabled:=false;  
  DBEdit2.Enabled:=false;  
  DBLookupComboBox1.Enabled:=false;  
  DBEdit3.Enabled:=false;  
  DBLookupComboBox2.Enabled:=false;  
  DateTimePicker1.Enabled:=false;  
  DBEdit5.Enabled:=false;  
  DBEdit6.Enabled:=false;  
  DateTimePicker2.Enabled:=false;  
  DBEdit8.Enabled:=false;  
end;
```

```
procedure TForm3.hidup;  
begin  
  DBEdit1.Enabled:=true;  
  DBEdit2.Enabled:=true;  
  DBLookupComboBox1.Enabled:=true;  
  DBEdit3.Enabled:=true;  
  DBLookupComboBox2.Enabled:=true;  
  DateTimePicker1.Enabled:=true;  
  DBEdit5.Enabled:=true;  
  DBEdit6.Enabled:=true;  
  DateTimePicker2.Enabled:=true;  
  DBEdit8.Enabled:=true;  
end;
```

```
procedure TForm3.kosong;  
begin  
  DBEdit1.Text:="";  
  DBEdit2.Text:="";  
  DBEdit3.Text:="";
```



```
DBEdit5.Text:='0';  
DBEdit6.Text:='';  
DBEdit8.Text:='0';  
end;
```

```
procedure TForm3.Button7Click(Sender: TObject);  
begin  
if not adotable1.Locate('No_Anggota',Edit1.Text,[])=true then  
  ShowMessage ('Data Yang Anda Cari Tidak Ditemukan');  
  Edit1.Text:='';  
end;
```

```
procedure TForm3.DateTimePicker1Change(Sender: TObject);  
begin  
adotable1['Tanggal_Pinjam']:=datetimepicker1.Date;  
adotable1['Tanggal_Harus_Kembali']:=adotable1['Tanggal_Pinjam']+3;  
  
end;
```

```
procedure TForm3.FormActivate(Sender: TObject);  
begin  
ADOTable1.Close;  
ADOTable1.Open;  
ADOTable2.Close;  
ADOTable2.Open;  
ADOTable3.Close;  
ADOTable3.Open;  
Edit1.SetFocus;  
mati;  
Button4.Enabled:=false;  
Button3.Enabled:=false;  
end;
```

```
procedure TForm3.Button1Click(Sender: TObject);  
begin  
hidup;  
Button4.Enabled:=true;
```

```
Button3.Enabled:=true;
Button1.Enabled:=false;
Button5.Enabled:=false;
Button6.Enabled:=false;
ADOTable1.Append;
kosong;
DBEdit1.Text:=DBEdit1.Text+inttostr(adotable1.RecordCount+1);
DBEdit2.SetFocus;
end;
```

```
procedure TForm3.Button4Click(Sender: TObject);
begin
Adotable1.Post;
mati;
Button1.Enabled:=true;
Button2.Enabled:=true;
Button5.Enabled:=true;
Button3.Enabled:=false;
Button4.Enabled:=false;
Button6.Enabled:=true;
end;
```

```
procedure TForm3.Button3Click(Sender: TObject);
begin
Adotable1.Cancel;
mati;
Button1.Enabled:=true;
Button2.Enabled:=true;
Button5.Enabled:=true;
Button3.Enabled:=false;
Button4.Enabled:=false;
Button6.Enabled:=true;
end;
```

```
procedure TForm3.Button6Click(Sender: TObject);
begin
adotable1.Refresh;
close;
```

```
end;
```

```
procedure TForm3.Button2Click(Sender: TObject);  
begin  
adotable1.Edit;  
hidup;  
Button1.Enabled:=false;  
Button2.Enabled:=false;  
Button5.Enabled:=false;  
Button3.Enabled:=true;  
Button4.Enabled:=true;  
Button6.Enabled:=false;  
DateTimePicker2.SetFocus;  
end;
```

```
procedure TForm3.Button5Click(Sender: TObject);  
var hapus:string;  
begin  
hapus:='Benar Nich Data Peminjaman Tersebut Mau Dihapus ?';  
if (application.MessageBox(Pchar(hapus),'Peringatan',MB_YESNO or  
MB_ICONQUESTION)=IDYES) then adotable1.Delete;  
end;
```

```
procedure TForm3.DateTimePicker2Change(Sender: TObject);  
begin  
adotable1['Tanggal_Kembali']:=datetimepicker2.Date;  
adotable1['Terlambat']:=adotable1['Tanggal_Kembali']-  
adotable1['Tanggal_Harus_Kembali'];  
if adotable1['Terlambat']>=1 then  
adotable1['Denda']:=adotable1['Terlambat']*1000;  
end;
```

```
procedure TForm3.DBEdit1KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
DBEdit2.SetFocus;  
end;
```

```
procedure TForm3.DBEdit2KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
DBEdit3.SetFocus;  
end;
```

```
procedure TForm3.DBEdit3KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
DateTimePicker1.SetFocus;  
end;
```

```
procedure TForm3.DateTimePicker1KeyPress(Sender: TObject; var Key:  
Char);  
begin  
if key=#13 then  
DBEdit5.SetFocus;  
end;
```

```
procedure TForm3.DBEdit5KeyPress(Sender: TObject; var Key: Char);  
begin  
if key=#13 then  
Button4.Click;  
end;
```

```
procedure TForm3.DateTimePicker2KeyPress(Sender: TObject; var Key:  
Char);  
begin  
if key=#13 then  
Button4.Click;  
end;
```

end.

Menu Utama

unit Unit3;

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls,  
Forms,  
Dialogs, Grids, DBGrids, DB, ADODB, DBCtrls, StdCtrls, Mask, ComCtrls,  
XPMan;

type

```
TForm3 = class(TForm)
  XPManifest1: TXPManifest;
  DBGrid1: TDBGrid;
  GroupBox1: TGroupBox;
  GroupBox2: TGroupBox;
  Button1: TButton;
  Button2: TButton;
  Button3: TButton;
  Button4: TButton;
  Button5: TButton;
  Button6: TButton;
  Edit1: TEdit;
  Button7: TButton;
  ADOTable1: TADOTable;
  ADOTable2: TADOTable;
  ADOTable3: TADOTable;
  ADOConnection1: TADOConnection;
  ADOTable1No_Transaksi: TWideStringField;
  ADOTable1No_Anggota: TWideStringField;
  ADOTable1Kode_Buku: TWideStringField;
  ADOTable1Tanggal_Pinjam: TDateTimeField;
  ADOTable1Jumlah_Pinjam: TIntegerField;
  ADOTable1Tanggal_Harus_Kembali: TDateTimeField;
  ADOTable1Tanggal_Kembali: TDateTimeField;
  ADOTable1Denda: TBCDField;
  ADOTable1Judul_Buku: TStringField;
  ADOTable1Nama_Anggota: TStringField;
```

```
Label1: TLabel;
DBEdit1: TDBEdit;
DataSource1: TDataSource;
Label2: TLabel;
DBEdit2: TDBEdit;
DBLookupComboBox1: TDBLookupComboBox;
Label3: TLabel;
DBEdit3: TDBEdit;
DBLookupComboBox2: TDBLookupComboBox;
Label4: TLabel;
Label5: TLabel;
DBEdit5: TDBEdit;
Label6: TLabel;
Label7: TLabel;
Label8: TLabel;
DBEdit8: TDBEdit;
DateTimePicker1: TDateTimePicker;
DBEdit6: TDBEdit;
DateTimePicker2: TDateTimePicker;
ADOTable1Terlambat: TIntegerField;
procedure DateTimePicker1Change(Sender: TObject);
procedure FormActivate(Sender: TObject);
procedure Button1Click(Sender: TObject);
procedure Button4Click(Sender: TObject);
procedure Button3Click(Sender: TObject);
procedure Button6Click(Sender: TObject);
procedure Button2Click(Sender: TObject);
procedure Button5Click(Sender: TObject);
procedure Button7Click(Sender: TObject);
procedure DateTimePicker2Change(Sender: TObject);
procedure DBEdit1KeyPress(Sender: TObject; var Key: Char);
procedure DBEdit2KeyPress(Sender: TObject; var Key: Char);
procedure DBEdit3KeyPress(Sender: TObject; var Key: Char);
procedure DateTimePicker1KeyPress(Sender: TObject; var Key:
Char);
procedure DBEdit5KeyPress(Sender: TObject; var Key: Char);
procedure DateTimePicker2KeyPress(Sender: TObject; var Key:
Char);
```

```
private
  { Private declarations }
public
  procedure kosong;
  procedure mati;
  procedure hidup;
  { Public declarations }
end;
```

```
var
  Form3: TForm3;
```

```
implementation
```

```
{$R *.dfm}
procedure TForm3.mati;
begin
  DBEdit1.Enabled:=false;
  DBEdit2.Enabled:=false;
  DBLookupComboBox1.Enabled:=false;
  DBEdit3.Enabled:=false;
  DBLookupComboBox2.Enabled:=false;
  DateTimePicker1.Enabled:=false;
  DBEdit5.Enabled:=false;
  DBEdit6.Enabled:=false;
  DateTimePicker2.Enabled:=false;
  DBEdit8.Enabled:=false;
end;
```

```
procedure TForm3.hidup;
begin
  DBEdit1.Enabled:=true;
  DBEdit2.Enabled:=true;
  DBLookupComboBox1.Enabled:=true;
  DBEdit3.Enabled:=true;
  DBLookupComboBox2.Enabled:=true;
  DateTimePicker1.Enabled:=true;
  DBEdit5.Enabled:=true;
```

```
DBEdit6.Enabled:=true;  
DateTimePicker2.Enabled:=true;  
DBEdit8.Enabled:=true;  
end;
```

```
procedure TForm3.kosong;  
begin  
DBEdit1.Text:="";  
DBEdit2.Text:="";  
DBEdit3.Text:="";  
DBEdit5.Text:='0';  
DBEdit6.Text:="";  
DBEdit8.Text:='0';  
end;
```

```
procedure TForm3.Button7Click(Sender: TObject);  
begin  
if not adotable1.Locate('No_Anggota',Edit1.Text,[])=true then  
  ShowMessage ('Data Yang Anda Cari Tidak Ditemukan');  
  Edit1.Text:="";  
end;
```

```
procedure TForm3.DateTimePicker1Change(Sender: TObject);  
begin  
adotable1['Tanggal_Pinjam']:=datetimepicker1.Date;  
adotable1['Tanggal_Harus_Kembali']:=adotable1['Tanggal_Pinjam']+3;  
  
end;
```

```
procedure TForm3.FormActivate(Sender: TObject);  
begin  
ADOTable1.Close;  
ADOTable1.Open;  
ADOTable2.Close;  
ADOTable2.Open;  
ADOTable3.Close;  
ADOTable3.Open;
```



```
Edit1.SetFocus;  
mati;  
Button4.Enabled:=false;  
Button3.Enabled:=false;  
end;
```

```
procedure TForm3.Button1Click(Sender: TObject);  
begin  
hidup;  
Button4.Enabled:=true;  
Button3.Enabled:=true;  
Button1.Enabled:=false;  
Button5.Enabled:=false;  
Button6.Enabled:=false;  
ADOTable1.Append;  
kosong;  
DBEdit1.Text:=DBEdit1.Text+inttostr(adotable1.RecordCount+1);  
DBEdit2.SetFocus;  
end;
```

```
procedure TForm3.Button4Click(Sender: TObject);  
begin  
Adotable1.Post;  
mati;  
Button1.Enabled:=true;  
Button2.Enabled:=true;  
Button5.Enabled:=true;  
Button3.Enabled:=false;  
Button4.Enabled:=false;  
Button6.Enabled:=true;  
end;
```

```
procedure TForm3.Button3Click(Sender: TObject);  
begin  
Adotable1.Cancel;  
mati;  
Button1.Enabled:=true;  
Button2.Enabled:=true;
```

```
Button5.Enabled:=true;  
Button3.Enabled:=false;  
Button4.Enabled:=false;  
Button6.Enabled:=true;  
end;
```

```
procedure TForm3.Button6Click(Sender: TObject);  
begin  
adotable1.Refresh;  
close;  
end;
```

```
procedure TForm3.Button2Click(Sender: TObject);  
begin  
adotable1.Edit;  
hidup;  
Button1.Enabled:=false;  
Button2.Enabled:=false;  
Button5.Enabled:=false;  
Button3.Enabled:=true;  
Button4.Enabled:=true;  
Button6.Enabled:=false;  
DateTimePicker2.SetFocus;  
end;
```

```
procedure TForm3.Button5Click(Sender: TObject);  
var hapus:string;  
begin  
hapus:='Benar Nich Data Peminjaman Tersebut Mau Dihapus ?';  
if (application.MessageBox(Pchar(hapus),'Peringatan',MB_YESNO or  
MB_ICONQUESTION)=IDYES) then adotable1.Delete;  
end;
```

```
procedure TForm3.DateTimePicker2Change(Sender: TObject);  
begin  
adotable1['Tanggal_Kembali']:=datetimepicker2.Date;  
adotable1['Terlambat']:=adotable1['Tanggal_Kembali']-  
adotable1['Tanggal_Harus_Kembali'];
```

```
if adotable1['Terlambat']>=1 then
adotable1['Denda']:=adotable1['Terlambat']*1000;
end;
```

```
procedure TForm3.DBEdit1KeyPress(Sender: TObject; var Key: Char);
begin
if key=#13 then
DBEdit2.SetFocus;
end;
```

```
procedure TForm3.DBEdit2KeyPress(Sender: TObject; var Key: Char);
begin
if key=#13 then
DBEdit3.SetFocus;
end;
```

```
procedure TForm3.DBEdit3KeyPress(Sender: TObject; var Key: Char);
begin
if key=#13 then
DateTimePicker1.SetFocus;
end;
```

```
procedure TForm3.DateTimePicker1KeyPress(Sender: TObject; var Key:
Char);
begin
if key=#13 then
DBEdit5.SetFocus;
end;
```

```
procedure TForm3.DBEdit5KeyPress(Sender: TObject; var Key: Char);
begin
if key=#13 then
Button4.Click;
end;
```

```
procedure TForm3.DateTimePicker2KeyPress(Sender: TObject; var Key:
Char);
begin
if key=#13 then
Button4.Click;
end;

end.
```

Laporan Data Anggota

```
unit Unit6;
```

```
interface
```

```
uses
```

```
Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls,
Forms,
Dialogs, QuickRpt, ExtCtrls, DB, ADODB, QRCtrls, StdCtrls, Grids,
DBGrids,
XPMan;
```

```
type
```

```
TForm6 = class(TForm)
ADOTable1: TADOTable;
QuickRep1: TQuickRep;
TitleBand1: TQRBand;
ColumnHeaderBand1: TQRBand;
DetailBand1: TQRBand;
PageFooterBand1: TQRBand;
QRLabel1: TQRLabel;
QRLabel2: TQRLabel;
QRLabel3: TQRLabel;
QRLabel4: TQRLabel;
QRLabel5: TQRLabel;
QRLabel6: TQRLabel;
QRLabel7: TQRLabel;
QRLabel8: TQRLabel;
```

```
QRLabel9: TQRLabel;
QRDBText1: TQRDBText;
QRDBText2: TQRDBText;
QRDBText3: TQRDBText;
QRDBText4: TQRDBText;
QRDBText5: TQRDBText;
QRDBText6: TQRDBText;
QRDBText7: TQRDBText;
QRDBText8: TQRDBText;
QRSysData1: TQRSysData;
QRLabel10: TQRLabel;
Shape1: TShape;
Button1: TButton;
Button2: TButton;
QRShape1: TQRShape;
DataSource1: TDataSource;
DBGrid1: TDBGrid;
Button3: TButton;
XPManifest1: TXPManifest;
procedure Button1Click(Sender: TObject);
procedure Button2Click(Sender: TObject);
procedure Button3Click(Sender: TObject);
procedure FormActivate(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  Form6: TForm6;

implementation

uses Unit8;

{$R *.dfm}
```

```
procedure TForm6.Button1Click(Sender: TObject);
begin
QuickRep1.Preview;
end;
```

```
procedure TForm6.Button2Click(Sender: TObject);
begin
QuickRep1.Print;
end;
```

```
procedure TForm6.Button3Click(Sender: TObject);
begin
ADOTable1.Close;
ADOTable1.Open;
adotable1.Refresh;
dbgrid1.Refresh;
end;
```

```
procedure TForm6.FormActivate(Sender: TObject);
begin
ADOTable1.Close;
ADOTable1.Open;
end;
```

end.

Laporan Data Buku

```
unit Unit7;
```

```
interface
```

```
uses
```

```
Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls,  
Forms,
```

```
Dialogs, ExtCtrls, QuickRpt, DB, ADODB, QRCtrls, StdCtrls, Grids,  
DBGrids,
```

```
XPMAN;
```

type

```
TForm7 = class(TForm)
  ADOTable1: TADOTable;
  QuickRep1: TQuickRep;
  TitleBand1: TQRBand;
  ColumnHeaderBand1: TQRBand;
  DetailBand1: TQRBand;
  PageFooterBand1: TQRBand;
  QRLabel1: TQRLabel;
  QRLabel2: TQRLabel;
  QRLabel3: TQRLabel;
  QRLabel4: TQRLabel;
  QRLabel5: TQRLabel;
  QRLabel6: TQRLabel;
  QRLabel7: TQRLabel;
  QRLabel8: TQRLabel;
  QRDBText1: TQRDBText;
  QRDBText2: TQRDBText;
  QRDBText3: TQRDBText;
  QRDBText4: TQRDBText;
  QRDBText5: TQRDBText;
  QRDBText6: TQRDBText;
  QRDBText7: TQRDBText;
  QRShape1: TQRShape;
  Button1: TButton;
  Button2: TButton;
  QRSysData1: TQRSysData;
  QRLabel9: TQRLabel;
  DBGrid1: TDBGrid;
  DataSource1: TDataSource;
  Button3: TButton;
  XPManifest1: TXPManifest;
  procedure Button1Click(Sender: TObject);
  procedure Button2Click(Sender: TObject);
  procedure Button3Click(Sender: TObject);
  procedure FormActivate(Sender: TObject);
private
```

```
    { Private declarations }
public
    { Public declarations }
end;

var
    Form7: TForm7;

implementation

{$R *.dfm}

procedure TForm7.Button1Click(Sender: TObject);
begin
    QuickRep1.Preview;
end;

procedure TForm7.Button2Click(Sender: TObject);
begin
    QuickRep1.Print;
end;

procedure TForm7.Button3Click(Sender: TObject);
begin
    ADOTable1.Close;
    ADOTable1.Open;
    adotable1.Refresh;
    dbgrid1.Refresh;
end;

procedure TForm7.FormActivate(Sender: TObject);
begin
    ADOTable1.Close;
    ADOTable1.Open;
end;

end.
```



## Laporan Peminjaman dan Pengembalian

unit Unit8;

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls,  
Forms,  
Dialogs, StdCtrls, QuickRpt, QRCtrls, ExtCtrls, DB, ADODB, Grids,  
DBGrids,  
XPMan;

type

```
TForm8 = class(TForm)
  ADOTable1: TADOTable;
  QuickRep1: TQuickRep;
  TitleBand1: TQRBand;
  ColumnHeaderBand1: TQRBand;
  DetailBand1: TQRBand;
  PageFooterBand1: TQRBand;
  QRLabel1: TQRLabel;
  ADOTable1No_Transaksi: TWideStringField;
  ADOTable1No_Anggota: TWideStringField;
  ADOTable1Kode_Buku: TWideStringField;
  ADOTable1Tanggal_Pinjam: TDateTimeField;
  ADOTable1Jumlah_Pinjam: TIntegerField;
  ADOTable1Tanggal_Harus_Kembali: TDateTimeField;
  ADOTable1Tanggal_Kembali: TDateTimeField;
  ADOTable1Denda: TBCDField;
  QRLabel2: TQRLabel;
  QRLabel3: TQRLabel;
  QRLabel4: TQRLabel;
  QRLabel5: TQRLabel;
  QRLabel6: TQRLabel;
  QRLabel7: TQRLabel;
  QRLabel8: TQRLabel;
  QRLabel9: TQRLabel;
```

```
QRDBText1: TQRDBText;
QRDBText2: TQRDBText;
QRDBText3: TQRDBText;
QRDBText4: TQRDBText;
QRDBText5: TQRDBText;
QRDBText6: TQRDBText;
QRDBText7: TQRDBText;
QRDBText8: TQRDBText;
QRShape1: TQRShape;
Button1: TButton;
Button2: TButton;
SummaryBand1: TQRBand;
QRExpr1: TQRExpr;
QRLabel10: TQRLabel;
QRSysData1: TQRSysData;
QRLabel11: TQRLabel;
DataSource1: TDataSource;
DBGrid1: TDBGrid;
Button3: TButton;
XPManifest1: TXPManifest;
procedure Button1Click(Sender: TObject);
procedure Button2Click(Sender: TObject);
procedure Button3Click(Sender: TObject);
procedure FormActivate(Sender: TObject);
```

```
private
  { Private declarations }
public
  { Public declarations }
end;
```

```
var
  Form8: TForm8;
```

```
implementation
```

```
{ $R *.dfm }
```

```
procedure TForm8.Button1Click(Sender: TObject);
begin
QuickRep1.Preview;
end;
```

```
procedure TForm8.Button2Click(Sender: TObject);
begin
QuickRep1.Print;
end;
```

```
procedure TForm8.Button3Click(Sender: TObject);
begin
ADOTable1.Close;
ADOTable1.Open;
adotable1.Refresh;
dbgrid1.Refresh;
end;
```

```
procedure TForm8.FormActivate(Sender: TObject);
begin
ADOTable1.Close;
ADOTable1.Open;
end;
```

end.

Form Login

```
unit Unit9;
```

```
interface
```

```
uses
```

```
Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls,  
Forms,
```

```
Dialogs, ADOdb, DB, StdCtrls, Buttons, ExtCtrls, jpeg;
```

type

```
TForm9 = class(TForm)
  Image1: TImage;
  Panel1: TPanel;
  Label3: TLabel;
  Label4: TLabel;
  GroupBox1: TGroupBox;
  Image2: TImage;
  Panel2: TPanel;
  Label1: TLabel;
  Label2: TLabel;
  NAMA: TComboBox;
  PASSWORD: TEdit;
  Panel3: TPanel;
  Masuk: TBitBtn;
  BitBtn1: TBitBtn;
  GroupBox2: TGroupBox;
  Label12: TLabel;
  Label13: TLabel;
  LupaPertanyaan: TEdit;
  LupaJawaban: TEdit;
  LihatPass: TBitBtn;
  BatalLupa: TBitBtn;
  GroupBox3: TGroupBox;
  Panel4: TPanel;
  Label7: TLabel;
  Label8: TLabel;
  Label9: TLabel;
  Label10: TLabel;
  Label11: TLabel;
  PL: TEdit;
  PB: TEdit;
  KP: TEdit;
  SimpanEdit: TBitBtn;
  BatalEdit: TBitBtn;
  Pertanyaan: TEdit;
  Jawaban: TEdit;
```

```

QPASSWORD: TADOQuery;
QPASSWORDpass: TWideStringField;
QPASSWORDuser: TWideStringField;
QPASSWORDpertanyaan: TWideStringField;
QPASSWORDjawaban: TWideStringField;
ADOCCommand1: TADOCCommand;
procedure PASSWORDChange(Sender: TObject);
procedure KELUARClick(Sender: TObject);
procedure Label3Click(Sender: TObject);
procedure Label4Click(Sender: TObject);
procedure LihatPassClick(Sender: TObject);
procedure BatalLupaClick(Sender: TObject);
procedure SimpanEditClick(Sender: TObject);
procedure BatalEditClick(Sender: TObject);
procedure FormActivate(Sender: TObject);
procedure PASSWORDKeyPress(Sender: TObject; var Key: Char);
private
  { Private declarations }
public
  { Public declarations }
  PROCEDURE BERSIH;
  PROCEDURE ENABAEADMIN(X:BOOLEAN);
  PROCEDURE ENABAELEMAHASISWA(X:BOOLEAN);
  PROCEDURE ENABAELEPETUGAS(X:BOOLEAN);
end;

var
  Form9: TForm9;

implementation

uses Unit5;

{$R *.dfm}

procedure TForm9.Label3Click(Sender: TObject);
begin
  if NAMA.Text = '' then

```

```
begin
MessageDlg('Silahkan Masukkan Pengguna',mtWarning,[mbOK],0);
NAMA.SetFocus;
Exit;
end;

QPASSWORD.Close;
QPASSWORD.SQL.Clear;
QPASSWORD.SQL.Add('select * from tbl_pass where user =
'+QuotedStr(NAMA.Text)+'');
QPASSWORD.Open;
GroupBox2.Visible := true;
NAMA.Enabled := false;
LupaPertanyaan.Text := QPASSWORD.pertanyaan.AsString;
LupaJawaban.Text := '';
LupaJawaban.SetFocus;
end;
```

```
procedure TForm9.Label4Click(Sender: TObject);
begin
if NAMA.Text = '' then
begin
MessageDlg('Silahkan Masukkan Pengguna',mtWarning,[mbOK],0);
NAMA.SetFocus;
Exit;
end;
```

```
GroupBox3.Visible := true;
BERSIH;
PL.SetFocus;
end;
```

```
procedure TForm9.LihatPassClick(Sender: TObject);
begin
QPASSWORD.Close;
QPASSWORD.SQL.Clear;
QPASSWORD.SQL.Add('select * from tbl_pass where user =
'+QuotedStr(NAMA.Text)+'');
```

```
QPASSWORD.Open;
```

```
if LupaJawaban.Text = QPASSWORDjawaban.AsString then
```

```
begin
```

```
MessageDlg('Password Anda
```

```
'+'QuotedStr(QPASSWORDpass.AsString)+'',mtInformation,[mbOK],0);
```

```
GroupBox2.Visible := false;
```

```
NAMA.Enabled := true;
```

```
end
```

```
else
```

```
begin
```

```
MessageDlg('Jawaban Anda Salah',mtWarning,[mbOK],0);
```

```
LupaJawaban.Text := '';
```

```
LupaJawaban.SetFocus;
```

```
end;
```

```
end;
```

```
procedure TForm9.BatalLupaClick(Sender: TObject);
```

```
begin
```

```
GroupBox2.Visible := false;
```

```
NAMA.Enabled := true;
```

```
end;
```

```
procedure TForm9.SimpanEditClick(Sender: TObject);
```

```
begin
```

```
QPASSWORD.Close;
```

```
QPASSWORD.SQL.Clear;
```

```
QPASSWORD.SQL.Add('SELECT * FROM tbl_pass WHERE pass =  
'+'QuotedStr(PL.Text)+' and user = '+'QuotedStr(NAMA.Text)+'');
```

```
QPASSWORD.Open;
```

```
if NAMA.Text = '' then
```

```
begin
```

```
MessageDlg('Silahkan Masukkan Pengguna',mtWarning,[mbOK],0);
```

```
NAMA.SetFocus;
```

```

Exit;
end;
if      (QPASSWORDpass.AsString      =      PL.Text)      AND
(QPASSWORDuser.AsString = NAMA.Text) then
  BEGIN
  if (PB.Text = "") or (KP.Text="") or (Pertanyaan.Text = "") or (Jawaban.Text
= "") then
  Begin
  MessageDlg('Semua Data Harus Diisi',mtWarning,[mbok],0);
  PB.SetFocus;
  end;

if (PB.text <> "") and (KP.Text<> "") and (Pertanyaan.Text <> "") and
(Jawaban.Text <> "") then
  BEGIN
  If PB.Text = KP.Text then
  begin
  ADOCommand1.CommandText := 'UPDATE tbl_pass set pass =
'+QuotedStr(KP.Text)+';'+
                                'pertanyaan
                                =
'+QuotedStr(Pertanyaan.Text)+';'+
                                'jawaban = '+QuotedStr(jawaban.Text)+''
where user = '+QuotedStr(NAMA.Text)+';

  ADOCommand1.Execute;;
  MessageDlg('Password
                                Berhasil
Disimpan',mtInformation,[mbok],0);
  GroupBox3.Visible := false;
  NAMA.Text := "";
  NAMA.SetFocus;
  end
  else
  begin
  MessageDlg('Password Tidak sesuai dengan Konfirmasi
Password',mtWarning,[mbok],0);
  PB.Clear;
  KP.Clear;
  PB.SetFocus;

```



```
    end;
END;
END
ELSE
BEGIN
    MessageDlg('Password Lama yang Anda Masukkan
Salah',mtError,[mbok],0);
PL.Clear;
PB.Clear;
KP.Clear;
PL.SetFocus;
END;
end;
```

```
procedure TForm9.BatalEditClick(Sender: TObject);
begin
    GroupBox3.Visible := false;
end;
```

```
procedure TForm9.BERSIH;
begin
    NAMA.Text := 'Admin';
    PASSWORD.Text := '';
    PL.Text := '';
    PB.Text := '';
    KP.Text := '';
    Pertanyaan.Text := '';
    Jawaban.Text := '';
end;
```

```
procedure TForm9.FormActivate(Sender: TObject);
begin
    BERSIH;
end;
```

```
procedure TForm9.PASSWORDKeyPress(Sender: TObject; var Key:
Char);
begin
if key = #13 then
Masuk.SetFocus;

end;
```

```
procedure TForm9.ENABAEADMIN(X:BOOLEAN);
begin
Form5.Login1.Enabled := NOT X;
Form5.Logout1.Enabled := X;
Form5.INPUT1.Enabled := X;
Form5.PENCARIAN1.Enabled := X;
Form5.LAPORAN1.Enabled := X;
Form5.LaporanDataAnggota1.Enabled := X;
Form5.LaporanDataBuku1.Enabled := X;
Form5.LaporanPeminjamanPengembalian1.Enabled := X;
end;
```

```
procedure TForm9.ENABAELEMAHASISWA(X: BOOLEAN);
begin
Form5.Login1.Enabled := NOT X;
Form5.Logout1.Enabled := X;
Form5.INPUT1.Enabled := NOT X;
Form5.PENCARIAN1.Enabled := X;
Form5.DataAnggota1.Enabled := NOT X;
Form5.DataTransaksi1.Enabled := X;
Form5.LAPORAN1.Enabled := NOT X;
end;
```

```
procedure TForm9.ENABAELEPETUGAS(X: BOOLEAN);
begin
Form5.Login1.Enabled := NOT X;
Form5.Logout1.Enabled := X;
Form5.INPUT1.Enabled := X;
Form5.PENCARIAN1.Enabled := X;
```

```
Form5.LAPORAN1.Enabled := X;  
Form5.LaporanDataAnggota1.Enabled := X;  
Form5.LaporanDataBuku1.Enabled := X;  
Form5.LaporanPeminjamanPengembalian1.Enabled := X;  
end;
```

```
procedure TForm9.PASSWORDChange(Sender: TObject);  
begin  
  QPASSWORD.Close;  
  QPASSWORD.SQL.Clear;  
  QPASSWORD.SQL.Add('SELECT * FROM tbl_pass WHERE pass =  
' + QuotedStr(PASSWORD.Text) + '          and          user          =  
' + QuotedStr(NAMA.Text) + ');  
  QPASSWORD.Open;  
  IF QPASSWORD.RecordCount <> 0 THEN  
    BEGIN  
      MessageDlg('Anda Berhasil Login', mtInformation, [mbOK], 0);  
      if NAMA.Text = 'Admin' then  
        ENABAEADMIN(TRUE)  
      else if NAMA.Text = 'Mahasiswa' then  
        ENABAELEMAHASISWA(TRUE)  
      else  
        ENABAELEPETUGAS(TRUE);  
      Form9.Close;  
    END  
  ELSE  
    BEGIN  
      MessageDlg('Password          yang          dimasukkan  
Salah...', mtWarning, [mbOK], 0);  
      //FormCreate(Sender);  
      PASSWORD.SetFocus;  
    END;  
end;
```

```
procedure TForm9.KELUARClick(Sender: TObject);  
begin  
  close;
```

end;

end.